

WHAT IS CLAIMED IS:

1. An image authentication apparatus having control means for controlling a classifying process that
5 classifies each image file into a group corresponding to a type of authentication data in each image file, and a displaying process including a process of displaying in display means data related to each image file in group unit.
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2. The image authentication apparatus according to claim 1, wherein the classifying process is targeted to a file existing in a folder selected by a user, or a file selected by a user.
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3. The image authentication apparatus according to claim 1, wherein in the classifying process, an image file associated with authentication data generated by using a private key cryptosystem or a compression
20 function is classified into a first group, and an image file associated with authentication data generated by using a public key cryptography is classified into a second group.
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4. The image authentication apparatus according to claim 1, wherein the displaying process further includes at least one of a process of displaying in the

display means a total number of image files that belong to one group, and a process of displaying in the display means a total number of image files that belong to all groups.

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5. An image authentication method comprising:

a step of controlling a classifying process that classifies each image file into a group corresponding to a type of authentication data in each image file;

10 and

a step of controlling a displaying process including a process of displaying in display means data related to each image file in group unit.

15 6. The image authentication method according to claim 5, wherein the classifying process is targeted to a file existing in a folder selected by a user, or a file selected by a user.

20 7. The image authentication method according to claim 5, wherein in the classifying process, an image file associated with authentication data generated by using a private key cryptosystem or a compression function is classified into a first group, and an image
25 file associated with authentication data generated by using a public key cryptography is classified into a second group.

8. The image authentication method according to claim 5, wherein the displaying process further includes at least one of a process of displaying in the display means a total number of image files that belong to one group, and a process of displaying in the display means a total number of image files that belong to all groups.

10 9. An image authentication program comprising:
a step of controlling a classifying process that classifies each image file into a group corresponding to a type of authentication data in each image file;
and
15 a step of controlling a displaying process including a process of displaying in display means data related to each image file in group unit.

10. The image authentication program according to claim 9, wherein the classifying process is targeted to a file existing in a folder selected by a user, or a file selected by a user.

11. The image authentication program according to claim 9, wherein in the classifying process, an image file associated with authentication data generated by using a private key cryptosystem or a compression

function is classified into a first group, and an image file associated with authentication data generated by using a public key cryptography is classified into a second group.

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12. The image authentication program according to claim 9, wherein the displaying process further includes at least one of a process of displaying in the display means a total number of image files that belong to one group, and a process of displaying in the display means a total number of image files that belong to all groups.

13. An image authentication apparatus for examining and authenticating whether or not an image file has been altered, comprising:

classifying means for determining a type of alteration authentication data in each of a plurality of image files stored in predetermined storage means, and classifying the plurality of image files into a plurality of groups based on the type of authentication data;

alteration authenticating means for examining and authenticating whether or not each of the image files classified into respective groups is altered based on respective authentication data; and

display control means for displaying in group

unit an authentication result of the alteration authentication data.

14. The image authentication apparatus according to
5 claim 13, wherein said classifying means also classifies an image file which does not have alteration authentication data.

15. The image authentication apparatus according to
10 claim 13, wherein a target displayed by said display control means includes a thumbnail image of each image file.

16. A control method of an image authentication
15 apparatus which examines and authenticates whether or not an image file has been altered, comprising:

a classifying step of determining a type of alteration authentication data in each of a plurality of image files stored in predetermined storage means,
20 and classifying the plurality of image files into a plurality of groups based on the type of authentication data;

an alteration authenticating step of examining and authenticating whether or not each of the image
25 files classified into respective groups is altered based on respective authentication data; and

a display control step of displaying in group

unit an authentication result of the alteration
authentication data.

17. A computer program functioning as an image
5 authentication apparatus, which examines and
authenticates whether or not an image file has been
altered, by being read and executed by a computer, said
program functions as:

classifying means for determining a type of
10 alteration authentication data in each of a plurality
of image files stored in predetermined storage means,
and classifying the plurality of image files into a
plurality of groups based on the type of authentication
data;

15 alteration authenticating means for examining and
authenticating whether or not each of the image files
classified into respective groups is altered based on
respective authentication data; and

display control means for displaying in group
20 unit an authentication result of the alteration
authentication data.

18. A computer-readable storage medium storing the
computer program described in claim 13.

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